

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet

1

of

2

APPLICATION NO.: unknown

FILING DATE: December 28, 2001

APPLICANT: Lipscombe et al.

GROUP ART UNIT:

1635

ATTY. DOCKET NO.: B10557004

U.S. PTO
10/03/2001
JC973
12/28/01

U.S. PATENT DOCUMENTS

| Examiner's Initials# | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|----------------------|----------|----------------------|-----------|---|--|
| | | Number | Kind Code | | |
| M | A1* | 5,429,921 | | Harpold et al. | |
| | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials# | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|----------------------|----------|-------------------------|----------|-----------|---|--|-------------------|
| | | Office/ Country | Number | Kind Code | | | |
| M | B1* | WO | 98/11131 | | American Home Products | 03-19-1998 | |
| M | B2* | WO | 95/04822 | | SIBIA | 02-16-1995 | |
| M | B3* | WO | 93/04083 | | SIBIA | 03-04-1993 | |

OTHER ART – NON PATENT LITERATURE DOCUMENTS

| Examiner's Initials# | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation (Y/N) |
|----------------------|---------|---|-------------------|
| M | C1* | ZHANG et al., <i>Nature</i> 372: 97-100 (1994) | |
| | C2* | WILLIAMS et al., <i>Science</i> 257: 389-395 (1992) | |
| | C3* | SOONG et al., <i>Science</i> 260: 1133-1136 (1993) | |
| | C4* | MINTZ et al., <i>Neuron</i> 9: 85-95 (1992) | |
| | C5* | MAINEN and SEJNOWSKI, <i>Science</i> 268: 1503-1509 (1995) | |
| | C6* | MATHUR et al., <i>J. Gen. Physiol.</i> 109: 191-199 (1997) | |
| | C7* | TANG and PAPAZIAN, <i>J. Gen. Physiol.</i> 109: 301-311 (1997) | |
| | C8* | STARR et al., <i>Proc. Natl. Acad. Sci. USA</i> 89: 5621-5625 (1991) | |
| | C9* | YU et al., <i>Proc. Natl. Acad. Sci. USA</i> 89: 10494-10498 (1992) | |
| | C10* | NAKAI et al., <i>Proc. Natl. Acad. Sci. USA</i> 91: 1014-1018 (1994) | |
| | C11* | LIN et al., <i>J. Neuroscience</i> 19(13): 5322-5331 (1999) | |
| | C12* | LIGON et al., <i>J. Biol. Chem.</i> 273(22): 13905-13911 (1998) | |
| | C13* | HINES and CARNEVALE, <i>Neural Computation</i> 12: 995-1007 (2000) | |
| | C14* | JONES and MARKS, <i>J. Gen. Physiol.</i> 94: 151-167 (1989) | |
| M | C15* | McCARTHY and TANPIENGCO, <i>J. Neuroscience</i> 12: 2225-2234 (1992) | |

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/096,776, filed June 12, 1998, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER

DATE CONSIDERED

1/24/05

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 2 of 2

APPLICATION NO.: unknown

ATTY. DOCKET NO.: B1055/7004

FILING DATE: December 28, 2001

APPLICANT: Lipscombe et al.

GROUP ART UNIT:

EXAMINER:

U.S. PATENT DOCUMENTS

| Examiner's Initials# | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|----------------------|----------|----------------------|-----------|---|---|
| | | Number | Kind Code | | |
| | | | | | |
| | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials# | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|----------------------|----------|-------------------------|--------|-----------|--|---|-------------------|
| | | Office/Country | Number | Kind Code | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER ART - NON PATENT LITERATURE DOCUMENTS

| Examiner's Initials# | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation (Y/N) |
|----------------------|---------|---|-------------------|
| A | C16* | LIN et al., <i>Neuron</i> 18: 153-166, 1997 | |
| A | C17* | SUTTON et al., <i>Soc. Neurosci. Abs.</i> 24:21, 1998 | |
| M | C18* | LIPSCOMBE et al. <i>Nature</i> 340:639-642, 1989 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/096,776, filed June 12, 1998, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER

DATE CONSIDERED

1/24/05

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

584722.1



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Complete if Known

| | |
|------------------------|-------------------|
| Application Number | 10/033,026 |
| Filing Date | December 28, 2001 |
| First Named Inventor | Lipscombe, D. |
| Art Unit | 1635 |
| Examiner Name | McGarry, Sean |
| Sheet | 1 |
| of | 1 |
| Attorney Docket Number | 60607 DIV (50553) |

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | | | |
|-------|---|----|---|------------------------|-------------------|
| Sheet | 1 | of | 1 | Attorney Docket Number | 60607 DIV (50553) |
|-------|---|----|---|------------------------|-------------------|

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|---|
| ✓ | A1 | 5,429,921 | 07-1993 | Harpold et al. | DUPLICATE |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁴ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| ✓ | B1 | WO 93/04083 | 03-1993 | STIBIA | DUPPLICATE | |
| ✓ | B2 | WO 95/04822 | 02-1995 | STIBIA | DUPPLICATE | |
| ✓ | B3 | WO 99/11131 | 03-1998 | American Home Products | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-------------------|-----------------------|---|-----------------|
| ✓ | C1 | Hines and Carnevale, <i>Neural Computation</i> 12: 995-1007 (2000) | DUPLICATE |
| ✓ | C2 | Jones and Marks, <i>J. Gen. Physiol.</i> 94: 151-162 (1989) | DUPLICATE |
| ✓ | C3 | Ligon et al., <i>J. Biol. Chem.</i> 273(22): 13905-13911 (1998) | DUPLICATE |
| ✓ | C4 | Lin et al., <i>Neuron</i> 18: 153-166 (1997) | DUPLICATE |
| ✓ | C5 | Lin et al., <i>J. Neuroscience</i> 19(13): 5322-5331 (1999) | DUPLICATE |
| ✓ | C6 | Lipscombe et al., <i>Nature</i> 340: 639-642 (1989) | DUPLICATE |
| ✓ | C7 | Mainen and Sejnowski, <i>Science</i> 268: 1603-1609 (1995) | DUPLICATE |
| ✓ | C8 | Mathur et al., <i>J. Gen. Physiol.</i> 109: 191-199 (1992) | DUPLICATE |
| ✓ | C9 | McCarthy and Tamplengco, <i>J. Neuroscience</i> 12: 2225-2234 (1992) | DUPLICATE |
| ✓ | C10 | Mintz et al., <i>Neuron</i> 9: 85-95 (1992) | DUPLICATE |
| ✓ | C11 | Nakai et al., <i>Proc. Natl. Acad. Sci. USA</i> 91: 1014-1018 (1994) | DUPLICATE |
| ✓ | C12 | Soong et al., <i>Science</i> 260: 1133-1136 (1993) | DUPLICATE |
| ✓ | C13 | Soong et al., <i>Society for Neuroscience Abstracts</i> Vol. 20 no. 1-2, 13-18 November 1994, page 70 | |
| ✓ | C14 | Starr et al., <i>Proc. Natl. Acad. Sci. USA</i> 89: 5621-5625 (1992) | DUPLICATE |
| ✓ | C15 | Sutton et al., <i>Soc. Neurosci. Abstr.</i> 24:31 (1998) | DUPLICATE |
| ✓ | C16 | Teng and Papazian, <i>J. Gen. Physiol.</i> 109: 301-311 (1997) | DUPLICATE |
| ✓ | C17 | Williams et al., <i>Science</i> 257: 389-395 (1992) | DUPLICATE |
| ✓ | C18 | Yu et al., <i>Proc. Natl. Acad. Sci. USA</i> 89: 10494-10498 (1992) | DUPLICATE |
| ✓ | C19 | Zhang et al., <i>Nature</i> 372: 97-100 (1994) | DUPLICATE |
| ✓ | D1 | GenBank Accession no. M94172 | 31 OCTOBER 1994 |
| ✓ | D2 | GenBank Accession no. M94173 | 31 OCTOBER 1994 |

| | | |
|--------------------|-----------------|---------|
| Examiner Signature | Date Considered | 1/29/05 |
|--------------------|-----------------|---------|